

US Stealth

R FOR:

ELEMENT	W	T	WT	003	011	018	025	032	079	095
<u>B. OBJECTS:</u>										
<u>Projections on Aircraft of interest</u>				1						
a. flat flat				1						
b. tapered				1						
c. thin				1						
d. symmetrical				1						
e. oppositely opposed				1						
f. relatively short (compared to norm)				1						
<u>Skin</u>				1						
a. thinner				1						
b. lighter				1						
c. enhanced qualities				1						
d. sheds heat				1						
e. form alloy with "form" memory				1						
<u>Inside aircraft</u>				1						
a. complex circuitry				1						
b. electrical components				1						
c. regulating mechanisms				1						
d. lots of different colored wire				1						

Approved For Release 2000/08/08 : CIA-RDP96-00789R000300600001-2

US stealth

R FOR:

ELEMENT

W T WT 003 011 018 025 032 079 095

C. RELATIONSHIPS:

Aircraft is flown

a. off hours

b. over isolated areas

c. in isolation

d. secretly

Body / wing conformation is changed to enhance performance.

Minimal amount of control surfaces.

control linkages are non standard

a. faster

b. more precise response

c. electro-optical

Novel metallurgy

a. laminates

b. metal bonding

c. high strength

d. low weight

e. provides flexibility

Design sacrifices some maneuverability for

a. range

b. survivability

c. stability

d. low signatures

R FOR:

ELEMENT	W	T	WT	003	011	018	025	032	079	095
<u>B. OBJECTS:</u>										
W. Heavy									1	
X metal									1	
Y symmetrical				1					1	
Z stripe									1	
Wing									1	
a thick									1	
b. welbed									1	
c. has balancers									1	
AA. new									1	
bb modern									1	
cc sleek									1	
dd shiny									1	
ee sophisticated									1	
ff beautiful									1	
System (internal component)									1	
a. sacks/searches									1	
b. continuous (not continuous)									1	
c. records on lined paper									1	
d. accurate									1	
e. fast									1	
f. semi circular scan pattern									1	

US Stealth

R FOR:

ELEMENT

W

T

WT

003

011

018

025

032

079

095

C. RELATIONSHIPS:

^{body of} water is bounded by land on at least 2 sides

land/water/structure interface

vehicles serve supporting function for some
wps related system

aircraft overhead

long cylindrical objects are mounted in
multiples which

long cylindrical objects can be
individually dismounted & remounted

~~An item of interest is secured & wrapped
in a flexible covering like a tarp &
carried on a flat bed trailer & must
be lifted off with a crane & cautiously~~

One item of interest is secured +

a. wrapped in a tarp

b. carried on a flat-bed trailer

c. lifted off cautiously with crane

d. easily damaged / decalibrated

^{of int.} aircraft is made up of several subcomponents which

a. together allow it to perform its function

b. checked regularly

c. replaced if any doubt of serviceability.

Aircraft functions as the result of
an interaction of electronic, mechanical
& chemical processes.

US stealth

R FOR:

ELEMENT	W	T	WT	003	011	018	025	032	079	095
<u>C. RELATIONSHIPS:</u>				1						
Importance/purpose of aircraft is				1						
a. concentrated in front part				1						
b. shielded				1						
c. concealed by sheath/cowling/housing.				1						
Skin has transformed heat				1						
a. shielding internal elements from heat build up				1						
b. maintains as constant a temp inside as possible				1						
Aircraft is different from others				1						
a. flat surfaces where not usually encountered				1						
b. unconventional aerodynamics				1						
c. shorter projections				1						
Aircraft has lots of built in flexibility				1						
a. enhances performance				1						
b. enhances survivability				1						
Entire aircraft is enclosed in something that				1						
a. protects				1						
b. gives it a sense of security				1						
Wing critical to performance				1					1	

US Stealth

R FOR:

ELEMENT	W	T	WT	003	011	018	025	032	079	095
B. OBJECTS:										
Aircraft of interest										
a large										
b smooth										
c rounded										
d tapered										
e triangular elements										
f black										
g silvery										
h complex										
i made of several subcomponents										
j air intake										
k faceted nose										
l front tapered, matte black										
m radome										
n tungsten										
o ferro-silicate										
p super critical										
q unconventional aerodynamics										
r droopy										
s built in flexibility										
t carries missiles										
u non-standard control linkages										
v low-signature										

US Stealth

R FOR:

ELEMENT	W	T	WT	003	011	018	025	032	079	095
A. ^{Functions} Functions :										
military				1						
organized				1						
assigned				1						
watching				1						
patrolling aircraft				1						
transporting				1						
Aircraft of interest				1						
a. Flies through air for long distances				1						
b. performs specific tasks/missions				1						
c. deals with extremes of speed				1						
Projections on aircraft contribute to				1						
a. controlling				1						
b. guiding				1						
c. lift				1						
Missions of Aircraft				1						
a. intrusion				1						
b. interdiction				1						
c. penetration				1						
d. not high intensity combat against or aircraft				1						
e. seek/search										

US Stealth

R FOR:

ELEMENT

B. OBJECTS:

1. Land

a. arid, sandy, warm

b. unsettled

2. water

3 structure

a. metal

b. large

c. grey

4. People

5. uniforms

6. vehicles

7 trailers

8 antennas

9. cables

10. electronics

11 aircraft

12. tracked vehicles

13. long cylindrical objects

14. Flat bed trailers